Meeting Description: Michigan Geographic Framework Users Meeting
Date: September 5, 2002   **Time:** 10:00 a.m.
Location: Michigan Center for Geographic Information, George W. Romney Building 10th Floor, Conference Room

I.   Approval of August Meeting Minutes

II.   Geographic Framework Program
        A.   Version 2 Delivery
     Rob Surber, Michigan Center for Geographic Information (CGI), reported that CGI has finished Version 2.
     Everett Root, CGI, added that framework Version 1b shape files are being replaced and links will be updated. By county and by themes zip files are available for download. A few data fields were added to some. There is documentation (data dictionary and metadata) included in every zip file. Will be a document on the front page of the CGI page that links to document that describes Version 1a, Version 1b, Version 2a and their differences and what will be new in Version 3. There are two servers in DMZ - 1 has files and one doesn't.
        B.   Act 51 Reconciliation Update
     Rob Surber, CGI, reported CGI is currently doing Act 51 work that will go into Version 3. The process is underway to reconcile the Act 51 map products, which are used to figure into the funding formula. Distributed a new status map. CGI is working on the project by county. They started in the urban areas. The large counties are going well. Oakland County is about half done. Michigan State Industries (MSI) has done great job providing source materials. MSI will be taking another pass at CGI's work to review Act 51 road names as they are reflected in the framework. Will have a complete reconciliation of names for map production but also for others how are interested in road names. CGI is focusing on the primary part of name and not directionals and street suffixes. The Act 51 process does not focus on this. But will indicate difference in names (Oak Rd vs Maple Rd).
     Everett Root, CGI, commented that types aren't reported on Act 51 maps. However, in new streets CGI will fill in if provided the information. But cannot make a comprehensive check because reporting is varied.
     Rob Surber, CGI, added CGI found that sometimes they do provide the type. There was a street in Eaton County called Tim's View. View is a street type. CGI is checking against theirs and will put that in if not in CGI does not as a current street name. Will closely follow what is on street signs. One advantage is that there is accountability if there is a problem with the names. CGI will talk with the United States Postal Service. Can push back the responsibility on the engineers who are supposedly providing the most accurate information for roads.
     Gordon Rector, United States Census Bureau, asked what the majority of updates in the reconciliation process – is it road names, is it adding roads, is it repositioning roads.
     Rob Surber, CGI, responded that it is adding public roads and private roads. All public roads are being caught. In southeast Michigan things are happening daily. The second area is fixing topography that wasn't fixed in repositioning. Roads were repositioned but some time intersections were reconfigured differently than what CGI had in their map base. Those were circled and identified where they were but didn't correct at that time but are now.
     Gordon Rector, Census Bureau, asked if the Act 51 maps were updated at local level.
     Rob Surber, CGI, responded that the maps, that were provided by MSI, were from December 31, 2000. But CGI used that in conjunction with change forms for last years' set of roads to bring up-to-date. CGI also has additional things that come through like Wayne County provided a new centerline map. CGI is using what they have and it is at least as good as January 1, 2001. That is the bulk of the work. CGI also has a quality control set of procedures.
     Everett Root, CGI, added that the program generates error tables of things to fix.
     Rob Surber, CGI, commented that they hope to find a better process as they go. They will continuing training. CGI is scheduled to mail the final product in January. This Friday CGI is getting 2 new high-end Epson plotters to help with production work.

C. Digital Ortho Update

Sherm Hollander, Michigan Department of Natural Resources (MDNR), report that they got caught up with the digital ortho quads (DOQ) that have been processed so far. Displayed the 1992 Series status map. They processed everything that was inherited from other agencies and brought it up to MDNR standards and now the series is complete. The 1995 Series is done that has been produced to date. They expect delivery last quarter of this year on some that are currently in production. They are in the process of securing funding to get the remaining blocks of the state in this series next fiscal year.

Rob Surber, CGI, added that all the information will be on the state site. The United States Geological Survey (USGS) is now looking at the next round which is the 1997-98 photos that were part of a 7 year National Aerial Photography Program (NAPP). A discussion point is to see if states are interested in partnering for higher resolution instead of default scale. The state has been discussing this imagery program with MDNR, Michigan Department of Environmental Quality (MDEQ) and Michigan Department of Transportation (MDOT).

D. National Hydrological Dataset (NHD) Update

Rob Surber, CGI, reported the data conflation of putting the River Reach data for streams and lakes into framework is being done by the MDNR Institute of Fisheries Research (IFR) in Ann Arbor. They are using framework and United States Forest Service (USFS) data.

Steve Miller, Michigan Department of Environmental Quality (MDEQ), stated that they met with IFR and CGI. The IFR is still working on first 2 of 12 watersheds that they planned to do by September 30 of this year. The have gotten an extension. They found the process is more complex than anticipated. They did get through the pre-conflation stage. They are trying to work with the USFS coverage and it is poor coverage in forest service lands. They are trying to mesh that with areas outside the forest service with framework. They are looking at a more simplified way to approach. On a watershed basis they do a lot of work in terms of projections, reprojections and looking at it quad by quad in the pre-conflation stage to make sure that hydrography network is complete and consistent with watershed boundaries. The USGS technical people have agreed to work with the state on that. The output goal is to finish with a format that fits in the national database.

Rob Surber, CGI, commented that there has been encouraging news and a lot of work has been done. USFS timeline is aggressive. They have to have everything done for the nation by September 30. That is not going to happen. They are focusing on the Upper Peninsula (UP).

Steve Miller, MDEQ, added that the USFS is looking to contract with USGS for some additional watersheds in the UP in addition to the 12 watersheds that the IFR is doing. There is a short timeframe to work in.

Rob Surber, CGI, stated that part of CGI's job is to see what has been done and make it fit into a nice hole for the state. That is part of a proposal to USGS is to deal with integration. USGS will be doing this to their standards which may not be exact to the CGI specifications. CGI will continue to clean up line work. Will probably have to go back into the USFS areas. It will be good to have work done and certain areas of the state will have high resolution Reach data that is mapable and ready for GIS. Brett Nelson's, CGI, repositioning work and that of IFR's work on conflation and tools will be used for comprehensive process this fall and will mesh well with Act 51 timeline.

Sherm Hollander, MDNR, asked if they are conflating to 24k.

Steve Miller, MDEQ, responded that they are taking 100k NHD is complete for the state and available for download from the USGS site. In this effort, they are conflating it down to 24k. As part of the process, they convert USFS feature files and framework into a format that looks like Digital Line Graph (DLG) - USGS vector line file product.

E. Michigan County Association of Mapping Professionals (MICAMP) Pre-Conference National
     Aeronautics and Space Administration (NASA) Workshop

Rob Surber, CGI, reported there is a MICAMP conference next week in Boyne. CGI has gotten approval for pre-conference NASA State Local Government workshop. CGI got a grant for this through the NASA partnership. There is money out there for folks who want to attend but can't afford it – contact Rob. There is a NASA partner coming to talk about NASA's to talk about the application of their data at the local or regional

levels. This workshop will deal with remote sensing concepts. There will be a poster session of various GIS and remote sensing applications that have been done and presentations of applications for the state, federal and local levels. There is a USGS application for water monitoring through satellite imagery; MDNR Integrated Forest Monitoring Assessment and Prescription (IFMAP) presentation with the forest monitoring and assessment program; there will be local presentation of who they are using existing control points that came from an existing DOQ product to take a new flight and create orthos and from that they are doing research study about some of the issues; land use/land cover classification pros/cons of using satellite versus aerial photography. There is a discussion session about new products and a session for participants to share needs and they what would like to see NASA do. It is really to lobby the state to help the state know about their needs so the state can help broker a better relationship between NASA and local units of government. The agenda on the MICAMP website as well as CGI site. Michigan State University (MSU) Center for Remote Sensing and Geographic Information Systems (GIS) is providing the content they use for Natural Resources Conversation Service (NRCS) United States Department of Agriculture (USDA) local government training for remote sensing applications.

F.   Address Update Process
   Rob Surber, CGI, reported CGI is planning to do work for a major address update process for framework after the Act 51 process. CGI did an update from 2000 TIGER into framework to easily capture that information. CGI has a lot of information in-house that was collected from the QVFand local units of government of GIS agencies. CGI plans to set procedures in place to set address ranges where CGI doesn't have them. CGI has new forms that are going out to all city and township clerks to collect new road information. The form is a lot more GIS friendly – provides odd and even for roads. CGI has been testing it and information is coming back. Plan is to have staff work on that and also will work on NHD and general maintenance. The Act 51 process in addition to roads, CGI is also fixing topology and correcting all city and township boundaries. Boundaries are as of the date CGI cuts the file. If there is a change on December 31, it will be made for maps that are sent out in January by the law of this program. The form is in electronic format. CGI has a proposal to embed the into a current Qualified Voter File (QVF) application. As the clerks put in voters or a new road, the system will automatically bring up the form and the information will go directly to CGI. CGI will provide maps back to clerks so they will see benefits of providing GIS information. The clerks are required by law to use this system to add their voters. In the past, the clerks had access to updating the Street Index. CGI spent months cleaning up their work. There was a lot of pressure to get a lot of information in to get the elections off. The clerks wanted things their way, which doesn't work in a centralized system. When 85% of voter registrations come through the branch offices and not the clerks' offices, it requires a centralized system to be able to manage it. The GIS map system was the foundation for helping provide location for voter addresses. The clerks are required by law to provide and it does include private roads in this process. CGI get about 1 inch of forms a day of new roads. CGI talked about providing a framework map that they can annotate and send back.

III.   Michigan Department of Natural Resources (MDNR) Projects and Activities
        Sherm Hollander, MDNR, nothing to report.

IV.   Michigan Department of Transportation (MDOT) Projects and Activities
   Joyce Newell, MDOT, reported MDOT is in the process of deciding how to move from Version 1 to Version 2. They were hoping that the Asset Management Council would be established and the members assigned at the last commission meeting. It did not happen because there was no total agreement. The council will be charged for coming up with guidelines for the asset management bill. The bill will include a central storage agency for the roadway condition type data. They are supposed begin with the federal aid highway eligible highway system, then they will move to county roads and municipal systems. The council will establish procedures and requirements at a minimum to include training, data storage and collection, reporting, development of a multi-year program, budgeting, funding and other issues. Beginning October 1, 2003 each city and village in the state

will annually repair and publish a multi-year program based on long-range plans of their road projects. This includes federal or state funds must be in the plan. This is law now - it is House Bill 5396 and Act 499. The council will establish how to do this and will establish technical committees. The representation is broad. Representation is 2 member from County Road Association, 2 members from the Municipal League, 2 member from State Planning and Development Regions, 1 member from Township Association, 1 member from Association of Counties, and non-voting members. The plan will include road projects they want state or federal money for. This will be using the framework reference system.

   Rob Surber, CGI, added that the timing is good with the Act 51 reconciliation.
   Joyce Newell, MDOT, commented that the council will be answerable to the Transportation Commission. This includes village, city, and county roads. This will be public record so that nobody can manipulate the data.

   Rob Surber, CGI, s – Asset Management appreciation – idea is to keep roads funding and put money back data has a common reference that all can work with.
   Joyce Newell, MDOT, – RoadSoft will probably be in helping meet guidelines. RoadSoft is a software package that uses framework and lot of county and cities use to collect data. December 2002 technical develop 5.5 of RoadSoft User Group is using laptop model for updates
   Rob Surber, CGI, s – there was an information flier called RoadSoft Roundup and latest has articles Framework Updates Made Easy –
   Joyce Newell, MDOT, interested in working in giving demonstration to group
   Rob Surber, CGI, s – it has come long way
   Joyce Newell, MDOT, – dealing with issues of how to go from version to version
   Rob Surber, CGI, s – committed to helping with the move from version to version
   Joyce Newell, MDOT, appreciate having framework on web site because they direct questions there
   Rob Surber, CGI, s – Highway Advertisement Program (HAP) regulate billboards on highway   asked where is number CGI working on proposal to integrate on framework and map server
   Joyce Newell, MDOT, – will want to have common web site available to conserve each others' efforts biggest problem is if don't have GIS can't read map

V.   Michigan Department of Environmental Quality (MDEQ) Projects and Activities
   Steve Miller, MDEQ, - have with CGI site have also upload version of well log new data up topography and information of well. Working with MSU and rolling out data for counts Land and Water will present to Central Michigan University (CMU) staff next Tuesday. Multi-year program Source Water Assessment Program participation to roll out to all local health departments   have Version 2 data   purchased Arc Publisher similar to Acrobat Reader and Steve will be demo at Environmental Systems Research Institute (ESRI) and CGI MDEQ highlights of Users Conference Monday, September 19. no registration necessary   demonstrate Arc Reader and Arc Publisher Arc GIS 2 & 3 will be coming out fall The Library of Michigan Focus Room

VI.   Michigan State Police Projects and Activities Projects and Activities
   Eric Nischan, MSP, Department of Information Technology (DIT) is looking to implement state standards – addressing standard applications to MSP apartment and suites
   Rob Surber, CGI, – proving information but not aware of
   Eric Nischan, MSP, – looking at statewide standard
   Steve Miller, MDEQ, – program used is ZIP+4 software and it is cheap and the Postal Service accepts mass mailings   will be there for standardized addresses
   Eric Nischan, MSP, SARA section 302 have not run through   hit 48 percent match   1 reason is poor address and misspelling. Will be working on   takjb about if on state site. Gives facility names and contacts

actually chemical information is in a different database. information only by address not latitude/longitude. Once look at will talk to MDEQ about a way to capture latitude/longitude.

    Kathleen Weessies, MSU GIS Library, Environmental Protection Agency (EPA) has latitude/longitude but was sloppy

    Eric Nischan, MSP, – this is a database that the state collects based on reports from industry sites. Changes every day and will need updates

    Steve Miller, MDEQ, – bought 22 GPS units 95% accurate got systems available for getting into GIS systems

    Eric Nischan, MSP, – spoken to person coordinate   will talk to John   is anybody familiar with Infotech

    Rob Surber, CGI, s – have been in touch with Detroit Police Department and this never came up.

    Eric Nischan, MSP, – listed as an exercise in article and wonder if demonstration by Infotech

    Rob Surber, CGI, – September 3 Free Press homeland security GIS being used for homeland security good for GIS to get recognition

VII.   Michigan State University (MSI) Projects and Activities

    Scott Hodge, MSI, reported that the Physical Reference Numbers (PR) Finder Plan to have done and develop next week. The first phase of the Act 51 Project complete and MDOT has them doing As Built Plans rectifying them to framework   preserving historical document

    Joyce Newell, MDOT, – before framework state-owned roads control section number there were linens to keep track of project hand-drawn in.   kept up until 1980 and person retired and program discontinued   decides to scan so that people can   because project overlap it shows overtime. Trying to determine if PDF. Mostly interesting to people in the department

    Rob Surber, CGI, don't contractor needs when negotiated

    Joyce Newell, MDOT, having on server they can provide linens will probably go to the state archives.

    Rob Surber, CGI, – have been doing initial discussions with state archive and formats are problematic more create more to deal with at some point.

    Dave Keith, MSI, plans to relocate the GIS program from Lakeland Correctional Facility to Ryan Correctional Facility in Detroit. Hope to maintain services   It is too cramped where they are and there is no room to expand. Dr. Banks excited about program   David Keith is superintendent of schools program   GIS Program will be super for GIS and schools program. It will be in 3-6 months.   move equipment make room – prisons can be transferred - will not cause interruptions to services. Will have to go slow and make sure things are in place.

    Rob Surber, CGI, have been happy with Scott and Carol.

VIII.   CGI Projects and Activities

    A.   Secretary of State (SOS) Publius Voter Information Center Mapping Applications

    Rob Surber, CGI, reported that the Michigan Secretary of State Publius Voter Information Center was unveiled last week, is an online source providing Michigan residents with all the information they need to cast their ballots. GIS is playing an integral part in getting voters into booths by providing a mapping tool citizens can use to locate their voting stations. CGI provided the mapping service. This is the first implement of many GIS applications. no MapQuest without advertising. This is a great way to use the framework and make more visible to general public   SOS was overjoyed and didn't know the state could do this mapping. It can be found on www.michigan.gov, Department of State and can find there. We created data and provided link to map and hosted IMS application. It is basic talked about using maps in other ways. School election come up and people don't know where to go to vote. May utilize to get people to polling locations

    Rob Surber, CGI, – ground truth in intersection – Upper Peninsula tour and will be providing information about accuracy ESRI meeting about framework editing   provided next steps to continue to refine edit requirements

Rob Surber, CGI, – Map MI CGI has been continue to do additional point of interest mapping   day care, ready care, county sheriff office, cemeteries are complete.

IX.   MSU Center for Remote Sensing and GIS Projects and Activities
Justin Booth, MSU, - recently 2nd week in August MSU hosted tech week ArcGIS had 2 sessions each day class for public data available   Version 2 release of Map Image Viewer just got data from CGI added quick link to html for public data available user can open to hot link to state site they can bring into Map Image Viewer. 6 counties in central Michigan are done

X.   County / Local Projects and Activities
Tammi Shepherd, Wayne County – GIS Management Unit is being introduced into the department and working on transition plan which will be completed October 1   then can determine project they will work on in what capacity

XI.   Regional Projects and Activities
Ann VanSlembrouck, Southeast Michigan Council of Government (SEMCOG),– working with Version 2 census block attributes from Version 1b to Version 2 5 counties closing polygons huge effort. 2000 L use update   working on 2005 flight for digital ortho scope of service timeline and supporter next meeting is scheduled for November 14 at Canton Township Parks and Recreation office ADD E-MAIL

Abbigail Mueller, West Michigan Regional Planning Commission (WMRPC)– Ottawa shoreline finished feature land use maps   start working on hazard mitigation not sure of her role
Eric Swanson, CGI – interested in
Abbigail Mueller, WMRPC – to be done by 2003

Eric Swanson, CGI – can point to resource people

XII.   Federal Projects and Activities
Gordon Rector, Census Bureau – CGI provide Census Bureau with Version 2 framework files and made copies and forward to headquarter to update TIGER field   headquarter has several group to work with contractor and decide which County

XIII.   Other Issues
None.

XIV.   Next Meeting Date
October 3, 2002, 10 a.m. until 12 p.m., Michigan Center for Geographic Information, George W. Romney Building, 111 S. Capitol, 10th Floor, Lansing, MI 48933